

What is claimed is:

1. A pre-fabricated wall panel, comprising:
  - a first, exterior facing sheet of generally rigid material and having a first thickness and a first sheet perimeter;
  - a second, interior facing sheet of generally rigid material and having a second thickness and a second sheet perimeter, said second sheet being generally parallel to said first sheet and spaced therefrom a strut thickness;
  - at least two framing struts being located between said first sheet and said second sheet and having said strut thickness to define a panel volume between said first sheet, said second sheet, and said framing struts;
  - a polymeric in-situ foam core located in and substantially filling said panel volume; and,
  - an overall panel thickness including the sum of said first thickness, said second thickness and said strut thickness, said overall panel thickness being four inches, plus/minus  $\frac{1}{4}$  inch.
2. The pre-fabricated wall panel of claim 1 and further comprising at least one electrical box located between said first sheet and said second sheet and at least one conduit for electrical wires running between said electrical box and said first sheet perimeter, and wherein said in-situ foam at least partially surrounds said electrical box and said conduit.
3. The pre-fabricated wall panel of claim 2 and further comprising a window opening correspondingly cut in said first sheet and said second sheet, and wherein said window opening is partially defined by strut members around a perimeter thereof.



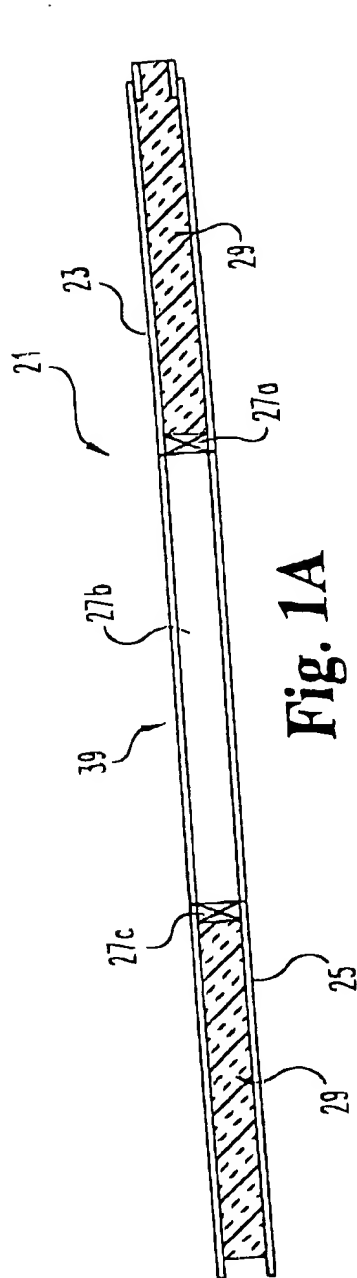


Fig. 1A

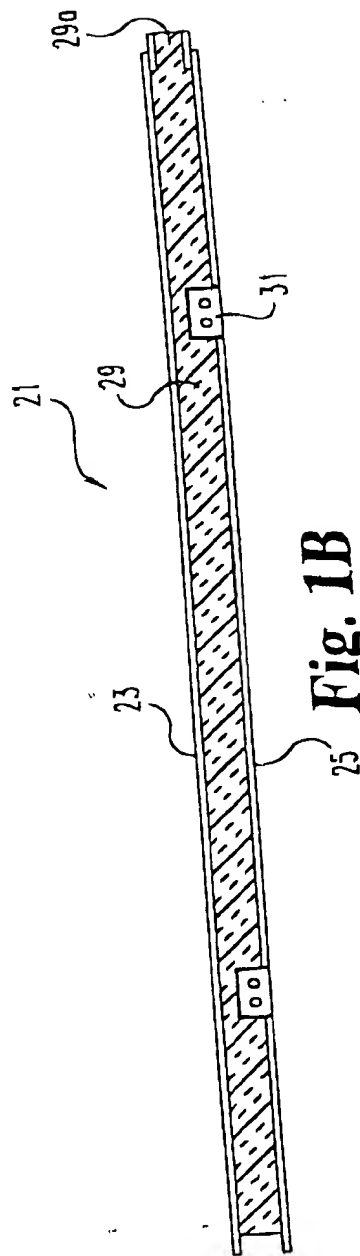


Fig. 1B

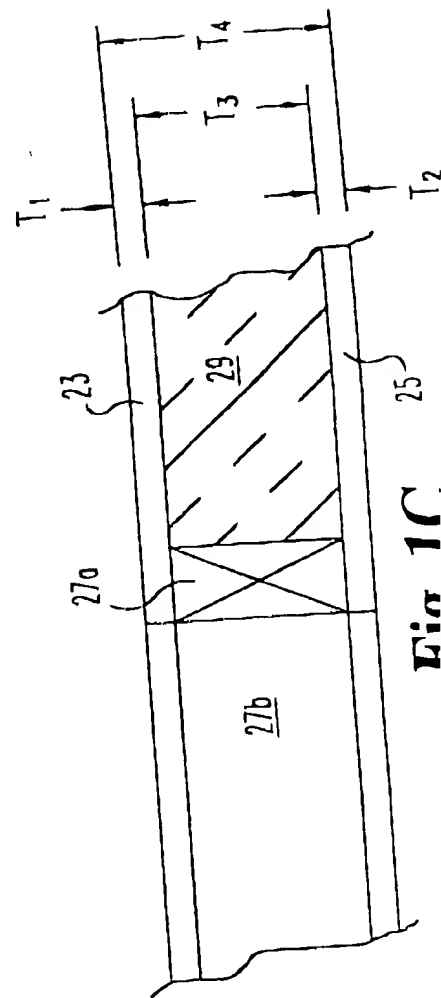


Fig. 1C

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**Abstract**

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